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(54) Shaving Brush

**DE 296 14 364 U1**

## **Utility Model**

### **“Shaving Brush”**

#### **Description**

The invention relates to a shaving brush as specified in the preamble of Claim 1.

By rotating the upper grip section relative to the lower grip section, the shaving brush according to the invention has the ability to offset this lower grip section by preferably 45° and to retain it in this position.

This ability is provided by the special nature of the design of the shaving brush grip.

The invention therefore has the advantage that the brush bristle section when wet from use is able to drain and dry due to the lateral inclination without water or residual soap remaining between the hairs of the brush, as is the case with a brush that dries vertically. In addition, no device for hanging up the brush is required to achieve the same effect.

The grip of the shaving brush is formed from, preferably, two sections which may be composed, in either hollow or solid form, of plastic, metal, integral rigid foam, or other appropriate material.

The separation of the two grip sections runs at an angle of 10° to 60°, preferably 45°, to the base of the grip. This means that the shaving brush grip breaks down into an upper section having the features of Claim 2, according to which this section is equipped with a receptacle, opposite the parting plane, for a brush bristle section. In addition, the grip is composed of a lower grip section having the features of Claim 3, according to which the grip's end opposite the parting plane is designed to form a support base.

As specified by Claim 4, the two grip sections according to the invention are connected to each other in a permanent and nondetachable fashion.

The connection between the two grip sections is effected by a pin which is arranged, as specified by Claim 5, perpendicular to the parting plane of the lower grip section, and is connected to this section frictionally, by positive fit, or as one piece.

As specified by Claim 6, the end of the pin most distant from the parting plane is shaped to form a mushroom-shaped undercut.

In addition, the pin as specified by Claim 7 is located centrally on the parting plane.

As specified by Claims 8 and 9, a centrally located detent receptacle corresponding with the pin is inserted into the parting plane of the upper grip section.

As specified by Claim 10, a weight can be permanently nondetachably embedded in the lower grip section, the weight being sufficiently heavy so as to hold the brush in a tilt-resistant state when placed in the maximum position of inclination as specified by Claim 11.

As specified in the features of Claim 12, the grip is equipped to be slip-resistant. This aspect can be achieved by using the properties of an appropriate surface texture or coating.

In order prevent undesired rotation of the halves of the grip relative to each other, these are provided, as specified in Claim 13, with a frictional arresting means, or preferably, with a detent lock-in means.

The lock-in means serves to provide reliable retention of the grip halves at the selected angle. As indicated by the features of Claim 14, the lower grip section is equipped with a detent lug or ball held by spring-loaded means which is located in the parting plane of the grip section and, as specified in Claim 15, engages indentations corresponding therewith in the parting plane of the grip section.

The detent lock-in means is effected, as specified in Claim 16 in steps of 5° up to, preferably, 45°.

The following figures in the drawings illustrate an embodiment of the shaving brush according to the invention:

- Figure 1 is a side view showing the shaving brush with inserted brush bristle section.
- Figure 2 is a side view showing a cross-section of the shaving brush grip as in Fig. 1.
- Figure 3 shows a shaving brush as in Figures 1 and 2, but in the maximum inclined drying position.

#### **Figure 1**

The shaving brush identified overall by reference 1 is of multi-part design and is essentially composed of an upper grip section 2, a lower grip section 3, and a brush bristle section 4.

To improve manipulation, the brush grip is equipped with an slip-resisting ribbing 5. In addition, low grip section 3 is designed to form a base 7 at the end opposite the parting plane 6.

#### **Figure 2**

Grip sections 2 and 3 are rotatably attached about pin 8 in parting plane 6 inclined preferably 45° to the base.

Pin 8 is connected permanently nondetachably – preferably in a one-piece design – to one of the grip sections, here lower grip section 3. The pin projects vertically from parting plane 6.

Pin 8 is located centrally on parting plane 6. At the end opposite the grip section, pin 8 is equipped with a mushroom-shaped circumferential undercut 9.

Undercut 9 engages a receptacle 10 in the parting plane of the undercut and corresponding with the undercut, in this case, upper grip section 2, thereby connecting the two grip sections 2 and 3 to each other.

One grip half, here grip half 3, is equipped with a detent lock-in device, in this embodiment with a ball catch 11, which is inserted vertically into parting plane 6 of lower grip half 3.

The parting plane of upper grip section 2 is equipped with indentations 12 corresponding with detent lock-in device 11 which establishes a defined setting for the rotational angle of grip sections 2 and 3 relative to each other.

A weight 13 is inserted in lower grip section 3, the weight holding the brush reliably in a tilt-resistant position, both in the vertical as well as in the maximally offset position.

### **Figure 3**

In the maximum inclination, preferably at an angle of 45°, grip sections 2 and 3 lock in, and brush bristle section 4 is located in the optimum position for drying. The brush can thus quickly and hygienically dry in this position in a safeguarding manner without residual soap and water remaining in the brush and contaminating it.

## Claims

1.

Shaving brush, characterized in that this brush has a two-part grip, the two grips sections of which are rotatable within a parting plane inclined  $10^{\circ}$  to  $60^{\circ}$  to the base of the shaving brush.

2.

Shaving brush according to Claim 1, characterized in that the upper one of the two grip sections is equipped at its topmost point opposite the parting plane with a receptacle for a brush bristle section.

3.

Shaving brush according to one of Claims 1 or 2, characterized in that the lower one of the two grip sections is designed at its lower-most point opposite the parting plane to form a base.

4.

Shaving brush according to one of Claims 1 through 3, characterized in that the two grip sections are nondetachably connected to each other.

5.

Shaving brush according to one of Claims 1 through 4, characterized in that the parting plane of the lower grip section is equipped with a swivel pin perpendicular to the parting plane.

6.

Shaving brush according to one of Claims 1 through 5, characterized in that the pin is shaped at its end most distant from the parting plane to form a circumferential mushroom-shaped undercut.

7.

Shaving brush according to one of Claims 1 through 6, characterized in that the pin on the parting plane of the lower grip section is located centrally on the parting plane.

8.

Shaving brush according to one of Claims 1 through 7, characterized in that a detent receptacle corresponding with the pin on the parting plane of the lower grip section is inserted vertically into the parting plane of the upper grip section.

9

Shaving brush according to one of Claims 1 through 8, characterized in that the detent receptacle inserted in the parting plane of the upper grip section is located centrally in the parting plane.

10.

Shaving brush according to one of Claims 1 through 9, characterized in that a weight is inserted in the lower grip section.

11.

Shaving brush according to one of Claims 1 through 10, characterized in that the brush stands tilt-resistantly unstable both in the vertical position and maximally inclined position.

12.

Shaving brush according to one of Claims 1 through 11, characterized in that grip sections are secured against undesired rotation by a detent lock-in means or frictional arresting means.

13.

Shaving brush according to one of Claims 1 through 12, characterized in that the parting plane of the lower grip section is equipped with an appropriate spring-loaded detent

which acts on the corresponding indentations in the parting plane of the upper grip section.

14.

Shaving brush according to one of Claims 1 through 13, characterized in that the parting plane of the upper grip section is equipped with indentations which correspond with a spring-loaded detent in the parting plane of the lower grip section.

15.

Shaving brush according to one of Claims 1 through 13<sup>1</sup> characterized in that the detent lock-in means is effected in steps of 5° up to 45°.

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<sup>1</sup> translators note: reference number corrected from context.